

Amendments to the Claims

Claims 1-21. (Cancelled).

Claims 22. (Currently Amended): A method for enhancing the effectiveness of a nicotine replacement therapy consisting essentially of ~~of~~ administering to an individual in need of nicotine replacement therapy a therapeutically effective amount of (a) nicotine and ~~(b) one or more substances selected from the group consisting of (i) substances which inhibit CYP2A activity; (ii) substances which inhibit transcription, and/or translation of the gene encoding CYP2A; and (iii) substances which delete all or a portion of the gene encoding CYP2A; and~~ optionally (c) one or more substances selected from the group consisting of substances which inhibit CYP2B6 activity, substances which inhibit transcription and/or translation of the gene encoding CYP2B6, or a combination thereof; ~~wherein (a), (b), and (c) if present, are administered contemporaneously and~~ methoxsalen.

Claims 23-38 (Canceled).

Claim 39. (Withdrawn): A method according to claim 22 ~~claims 36~~, wherein methoxsalen is administered in an amount from 0.1 mg to 50 mg.

Claims 40-41 (Canceled)

Claim 42. (Withdrawn): A method for enhancing the effectiveness of a nicotine replacement therapy comprising administering to an individual in need of nicotine replacement therapy a therapeutically effective amount of nicotine and methoxsalen.

Claims 43-44 (Canceled)

Claim 45. (Currently Amended): A method for enhancing the effectiveness of a nicotine replacement therapy consisting essentially of ~~of~~ administering to an individual in need of

nicotine replacement therapy a therapeutically effective amount of (a) nicotine and (b) methoxsalen ~~one or more substances selected from the group consisting of (i) substances which inhibit CYP2A activity; (ii) substances which inhibit transcription, and/or translation of the gene encoding CYP2A; and (iii) substances which delete all or a portion of the gene encoding CYP2A;~~

wherein (a) and (b) are administered contemporaneously.

Claim 46 (Withdrawn) A method according to claim 45 or claim 47 ~~claims 42~~, wherein methoxsalen is administered in an amount from 0.1 mg to 50 mg.

Claim 47 (Withdrawn) A method for enhancing the effectiveness of a nicotine replacement therapy consisting of administering to an individual in need of nicotine replacement therapy a therapeutically effective amount of nicotine and methoxsalen.

Claims 48-49 (Canceled)